

Title: RANDOMLY GENER GLYCOPEPTIDE COMBINA LIBRARIES

Inventor(s): R. Rao KOGANTY et al. Atty. Dkt. No.: 042881/0156 Sheet 1 of 7

TOZETO ZZITOKO 0 Ö2 \mathbb{R}_{1} $\dot{\mathbb{R}}_2$ Ö3 **R**5 Ö

Combinatorial glycopeptides

 O_1 , O_2 , O_3 = Glycosylation sites

 R_1 to R_5 = Side chains that create site specificity

Figure 1



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A CYCLIC MUC1 PEPTIDE

Figure 2



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THE SIMPLEST CYCLIC PEPTIDE

A SOLUBLE VERSION OF THE ABOVE (with C14 lipid)

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Figure 4



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Figure 5

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N EXAMPLE OF A CYCLIC PEPTIDE FOR RANDOM GLYCOSYLATIONS
SILITY OF SUCH PEPTIDES MAY BE ENHANCED BY HYDROPHOBIC GROUPS

Figure 6

FIGURE 8.

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Functional Demonstration of Glycopeptide Library With Well Characterized Monocional Antibodies

